

Technical Data Sheet

Vitamide BB3X NATURAL 0-0000



Polyamide 6

Product Description

Vitamide BB3X NATURAL 0-0000 is a Polyamide 6 Glass Bead, 50% filled material and is typically used in Injection Molding applications. Features include: Good Dimensional Stability, and Heat Stabilized.

Processing Method	Injection Molding
Attribute	Good Dimensional Stability; Heat Stabilized
Additive	Heat Stabilizer
Filler/Reinforcement	Glass Bead, 50%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.51	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	90	MPa	ISO 527-2
Tensile Strain at Break	3	%	ISO 527-2
Flexural Modulus	4700	MPa	ISO 178
Flexural Stress	135	MPa	ISO 178
Impact			
Notched Izod Impact Strength	4	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	>200	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	130	°C	ISO 75-2/A
DSC Melting Point	221	°C	ISO 3146
Electrical			
Comparative Tracking Index (CTI), (Solution A)	525	V	IEC 60112
Surface Resistivity	1000000000 00000	ohm	IEC 60093
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302
UL Information			
Flame Rating	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	60 to 100	°C